ELSEVIER

Physica B 267–268 (1999) 369–370

PHYSICA B

Subject Index

Adiabatic fast passage 92
Analyzer 360
Antiferromagnetism 69, 255
Area-sensitive detector 341
Atomic and magnetic correlations 131
Axis 308

Beam splitting 313
Braggs reflection 215

Channeling 308
Chirality 97
Coherent 122
Correlation functions 211
Cr_2O_3 crystals 215
Cryopad 69, 243
Crystal 308
Crystal growth 363
Curie temperature 207

Decoherence 277
Dephasing 277
Depolarisation 79, 277
Detailed balance 221
Diffraction 134, 289, 294
Diffuse scattering 106
Disordered magnetism 304
Domains 75
Dynamic polarised nuclei 92
Dynamical chirality 259
Dzialoshinskii–Moriya interaction 236

Ferrofluid 203
Filter 348
Fluctuations of the Curie temperature 84
Flux flow 115
Flux lines 115
Form factors 9, 215
Frustration 142

Gamma-rays 313
Generalized susceptibility 211
Grenoble 9
Guides 320

^{3}He filling station 328
^{3}He filter 252
^{3}He neutron spin filter 21
HT_c-superconducting films 149
Heavy fermion 41
Heusler alloy 363
High-T_c superconductivity 252

Incoherent 122
Incommensurate 255
Inelastic neutron scattering 227, 304
Instrumentation 270, 348
Inversion 168
Itinerant 255
Itinerant ferromagnets 248

Kagome antiferromagnet 139
Kagome lattice 142

Larmor precession 60, 79

Macromolecules 92
Magnetic anisotropy 263
Magnetic defects 106
Magnetic density 37, 41, 47
Magnetic exchange coupling 207
Magnetic fluctuations 142, 145
Magnetic frustration 145
Magnetic multilayers 181, 185, 355
Magnetic phase transitions 263
Magnetic structure 243
Magnetic systems 175
Magnetic thin film 185
Magnetisation 194
Magnetization density 27, 211
Magnetometry 162
Mixed state 149
Mixed valence 37, 47
$Mn_{1-x}Al_x$ 106
Molecular magnetism 27
Molecular-based magnet 266
Monochromator 363
Multilayers 75, 175, 190, 198, 299, 320, 360

Néel temperature 207
Neodymium 243
Neutrons 194, 277, 289, 294, 308, 313, 348
Neutron beam optics 181
Neutron depolarisation 60, 84, 88
Neutron diffraction 56, 60, 363
Neutron inelastic scattering 263
Neutron optics 336, 355
Neutron polarimetry 243
Neutron polarisation 115, 344
Neutron polarisation analysis 142, 266
Neutron polarisers 252, 352
Neutron reflectivity 154, 207
Neutron reflectometry 149, 162, 168, 175, 181, 352, 355
Neutron scattering 270
Neutron scattering techniques 344
Neutron spin-filter 328
Neutron spin–echo 145, 270
Neutron spin–echo spectroscopy 285
Non-collinear configuration 221
Non-specular reflection 194
Nuclear-magnetic interference 236

Optical pumping 328

Parity violation 289, 294
Phase 168
Phase transformations 88
Phase transition 84
Polarisation analysis 21, 75, 162
Polarised ^{3}He 344
Polarised neutron diffraction 131

Polarised neutron scattering 92, 145
Polarised neutrons 1, 21, 69, 79, 97, 106, 134
Polariser 348
Polarization 122, 194, 289, 294, 313
Polarization analysis 9
Polarization dependence 211
Polarization of scattered beam 211
Polarized neutrons 9, 154, 175, 181, 185, 190, 198, 203, 227, 236, 248, 255, 259, 285, 328, 336
Polarized neutron diffraction 27, 37, 41, 47, 139, 168, 341
Polarizers 320, 360
Polymers 122
Potential 308
Pulsed neutron 185
Pulsed sources 134

Quantum precession 299
Quasielastic neutron scattering 285

Random anisotropy 266
Reentrance 304
Reflectometer 185
Relaxation 328
Roughness 190

SANS 79
Samarium compounds 37, 47
Scattering 190, 289, 294
Short-range order 122
Small angle neutron scattering 60, 79, 203
Spectrometer 299
Spectroscopy 134
Spectrum 308
Spherical neutron polarimetry 21
Spin 289, 294
Spin arrangements in magnetically ordered crystals 56
Spin chirality 259
Spin density 9
Spin diffusion 304
Spin dynamics 139
Spin echo 9, 299
Spin filter 344
Spin flip 194, 313
Spin glasses 106, 131
Spin waves 97, 259
Spin-density waves 255
Spin-dependent refraction 194
Spin–Peierls compounds 236
Spin–Peierls system 227
Spin–lattice interactions 69
Spinflip 122
Sputtering 355
Standing wave 313
Steel 88
Stoner excitations 248
Stress 320
Superlattices 181
Supermirrors 320
Supersendust (Fe–Ni–Si–Al alloy) 360
Surface and interfacial roughness 185

Time reversal 221, 289, 294
Total scattering 221
Triple-axis spectrometer 336
Two-dimensional honeycomb magnet 266
Type-II superconductors 115

Uranium compounds 41

YBCO 252